

Class 15

Topics

- Intermediate Machine Failure Model

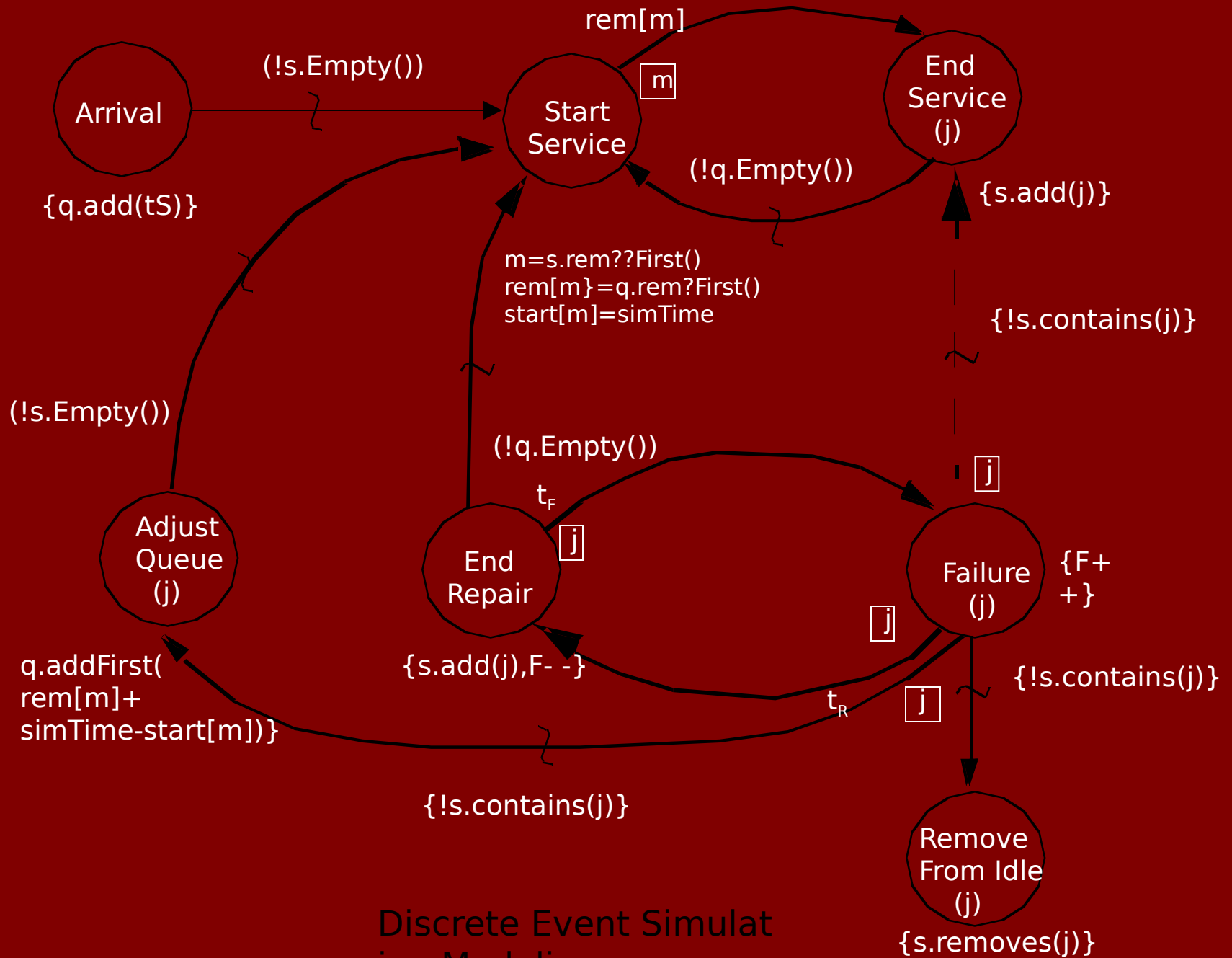
Servers with Failures

Parameters

- k - # servers
- $\{t_s\}$ - service times
- $\{t_f\}$ - failure times
- $\{t_r\}$ - repair times

State

- q - FIFO container of remaining times
- can remove from middle and add to front
- S - container of available server identities $(0, \dots, k-1)$
- $rem[]$ - array of remaining times induced by server
- $start[]$ - array of start times induced by server
- F - # failed machines



Discrete Event Simulation Modeling